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anti-SGK1 antibody

2 Images



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Overview

Quantity:	100 μL
Target:	SGK1
Reactivity:	Human, Mouse, Rat, Cow, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SGK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SGK1
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	SGK1
Alternative Name:	SGK1 (SGK1 Products)
Background:	Synonyms: Serum/glucocorticoid regulated kinase 1, SGK 1, SGK-1, Serine/threonine protein kinase SGK, Serine/threonine protein kinase Sgk1, Serum and glucocorticoid regulated kinase,
	Serum/glucocorticoid regulated kinase, SGK 1, SGK.

Background: SGK1 is a protein kinase that plays an important role in cellular stress response. SGK1 activates certain potassium, sodium, and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. Sustained high levels of SGK1 and activity may contribute to conditions such as hypertension and diabetic nephropathy. This protein also mediates cell survival signals, as it has been shown to phosphorylate and negatively regulate the pro apoptotic FOXO3A protein. Ser 422 is a critical site on the protein and may be involved in its activation.

Molecular Weight:

49kDa

Pathways:

MAPK Signaling, Notch Signaling, Steroid Hormone Mediated Signaling Pathway

Application Details

Application Notes:

WB(1:100-500)

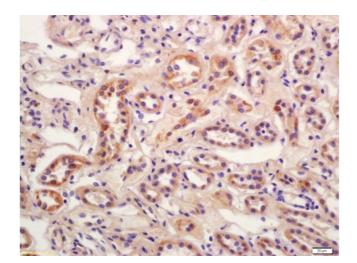
Optimal working dilution should be determined by the investigator.

Restrictions:

For Research Use only

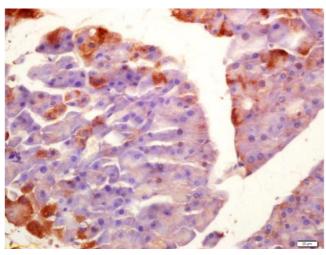
Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human kidney labeled with Anti-SGK1 Polyclonal Antibody, Unconjugated (ABIN1385850) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse pancreas labeled with Anti-SGK1 Polyclonal Antibody, Unconjugated (ABIN1385850) at 1:200 followed by conjugation to the secondary antibody and DAB staining